

# QM17 poster plan Jan 17, Cold QCD meeting

- **Status/Plan**

- Start within this week, circulate 1<sup>st</sup> draft until 25<sup>th</sup>, then check final version in next meeting at 31<sup>st</sup>
- Need to catch up progress so far: plan to start from previous speakers' presentations  
→ DIS 2016 talk (Klaus), Nuclear Dynamics 2016 (Megan)

- **Nature of the poster**

- Am I the only sPHENIX related talk/poster?  
→ Cannot see other talks. Need to be general/introductory
- I should focus on AuAu/pp/pA at 2022 – 2023, NOT future EIC  
→ need to mention about eRHIC/ePHENIX briefly, but focus is on the (f)sPHENIX for this poster

# QM17 poster plan Contents to be included

- **Project status/(f)sPHENIX RUN plan/Key observables/eRHIC**

- Current status:
  - a. sPHENIX: CDO granted (Sep. 2016)
  - b. fsPHENIX: under design / simulation
- Is (f)sPHENIX RUN still expected to be 2022-2023?
- Key physics observables?  
 $R_{AA}$  (jets,  $\Upsilon$ , heavy flavor),  $R_{pA}$  (direct  $\gamma$ , DY),  $A_N$  (jets, DY)
- One or Two punchlines for eRHIC (sPHENIX: early phase of ePHENIX)

- **Detectors (sPHENIX)**

- Acceptance
- Detector composition (Inner/Outer trackers, EMCal, Inner/Outer HCal)
- Overview (with fsPHENIX), official deal drawing (small)

# QM17 poster plan Contents to be included

- **Detectors (fsPHENIX)**
  - Acceptance
  - Detector composition (GEM trackers, EMcal, HCal)
  - Overview, Cross-sectional drawing (GEANT)
- **Physics targets / capabilities**
  - A few selective observables correspond to each topic (ex. Direct  $\gamma$   $R_{pA}$  for hadronization), among existing plots (need to study more)
  - Detector performance? (ex. pID power)

# **QM17 poster plan** Contents to be included

- **Remark/Questions**

- Nils mentioned an official poster template for sPHENIX. Is it already exist?
- Is there any archive for official plots/drawings?  
It's hard to find in PHENIX main homepage
- I'll circulate 1<sup>st</sup> draft until 25<sup>th</sup> at latest
- Any critical issue I need to keep in mind?  
ex. I MUST include “this” topic or observable, etc.

**Last slide**